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(54) Title: MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY 11D10 AND METHODS OF USE THEREOF

(57) Abstract

The present invention provides a monoclonal anti-idiotype antibody 11D10 that elicits an immune response against a specific epitope of a high molecular weight mucin of human milk fat globule (HMFG) and a hybridoma that produces 11D10. The hybridoma that produces 11D10 was selected by specific procedures. 11D10 induces an immunological response to HMFG in mice, rabbits, monkeys and patients with advanced HMFG-associated tumors. This invention provides compositions derived from polynucleotide sequences encoding the variable light and/or variable heavy regions of monoclonal anti-idiotype antibody 11D10, as well as polypeptides encoded thereby. The invention also provides compositions which can be used in the detection or treatment of HMFG-associated tumors.